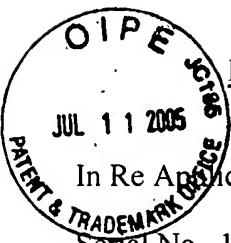


PATENT

ATTORNEY DOCKET: N1280-00025

[TSMC2002-1189]



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Yi-Lung Cheng  
Serial No. 10/716,818

Confirmation No. 8682

Filed: November 19, 2003

Examiner: Richard A. Booth

Group Art Unit: 2812

For: METHOD AND SYSTEM FOR FABRICATING A COPPER BARRIER LAYER  
WITH LOW DIELECTRIC CONSTANT AND LEAKAGE CURRENT

I hereby certify that this correspondence is being deposited with the United States Postal Service  
on the date shown below with sufficient postage as first class mail and addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date: 7/8/05

By: Joseph A. Rowan

M.S. Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in  
connection with the above-identified application, which statement is being filed:

Together with the present application.

Before the first Office Action on the merits or three (3) months from the  
filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]

After the first Office Action on the merits, but before a Final Office  
Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR  
§1.97(c)]. (Either the fee or certification is provided, as set forth below).

After a Final Office Action under §1.113 or Notice of Allowance under  
§1.311, but prior to or with payment of the Issue Fee. [37 CFR §1.97(d)]. The fee and  
certification are provided, as set forth below).

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

No separate requirements are needed.

No additional fee is required.

**Fee Under 37 CFR § 1.97(c) or 1.97(d)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

Please charge the fee of \$180.00 for submission of an IDS under § 1.97(c) or (d) as set forth in § 1.17(p) to Deposit Account 04-1679.

**Certification Under 37 CFR § 1.97(e)**

The undersigned certifies:

1 that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or

2 that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

**Provision of Copies of References**

A copy of each of the non-patent references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

Partial Translations of References are enclosed herewith and form a part hereof.

A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.

A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

**Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted**

[ ] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application: previously submitted

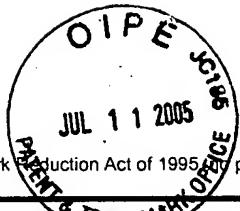
The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679.

Respectfully submitted,

Date: 7/8/05

  
\_\_\_\_\_  
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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<p>Substitute for form 1480 PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<p><b>Complete if Known</b></p>	
				<b>Application Number</b>	10/716,818
				<b>Filing Date</b>	November 19, 2003
				<b>First Named Inventor</b>	Y-Lung Cheng
				<b>Art Unit</b>	2812
				<b>Examiner Name</b>	Richard A. Booth
Sheet	1	of	2	Attorney Docket Number	N1280-00025

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
<b>Application Number</b>		10/716,818			
<b>Filing Date</b>		November 19, 2003			
<b>First Named Inventor</b>		Yi-Lung Cheng			
<b>Art Unit</b>		2812			
<b>Examiner Name</b>		Richard A. Booth			
Sheet	2	of	2	<b>Attorney Docket Number</b>	
N1280-00025					

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.